



March 7, 2002

Mr. Jim Christiansen
United States Environmental Protection Agency
Region 8
999 18th Street - Suite 300
Denver, CO 80202-2466

Ref: 8EPR-SR

RE: Richardson Flat Monthly Status Report for February 2002

Dear Mr. Christiansen:

This monthly Status Report details site activities conducted at Richardson Flat for February 2002. Also included are the laboratory analytical data from the surface water and groundwater samples collected during February 2002.

Sampling Activities Conducted:

Surface and groundwater were sampled on February 4, 2002.

Surface and Groundwater sampling:

On February 4, 2002 the eleventh round of monthly surface water sampling was conducted. Surface water samples were collected at locations RF-7-2 and RF-6-2. Surface waters were not encountered or surface water flows sufficient to collect samples without disturbing sediments at locations RF-8, RF-5, RF-4, RF-3-2, RF-2, and RF-1. One duplicate sample was collected at location RF-6-2. Groundwater samples were collected with a peristaltic pump at monitoring wells RT-11, RT-12, RT-13 and RT-14. One duplicate groundwater sample was collected from monitor well RT-11. Samples were submitted to the laboratory on February 4, 2002.

Draft RI Report Preparation

The draft RI report will be submitted to EPA in April 2002. The draft report will be used to assist EPA in human health and ecological risk assessment.

Results:

The results of the February surface water and groundwater sampling are reported in Table 1. Laboratory and chain-of-custody reports are located in Appendix A. Field data sheets can be found in Appendix B. An electronic

copy of the AEC and Frontier Geosciences laboratory analytical reports will be emailed to you and Jeff Montera.

Planned Activities: March 2002


1. Monthly surface and groundwater sampling will be conducted the week of March 4, 2002.
2. RMC will continue to work on the Draft RI report.

Planned Activities: April 2002

1. Monthly surface and groundwater sampling will be conducted the week of April 1, 2002.
2. RMC will submit the Draft RI report.

If you should have any questions or comments, please contact me at 801-255-2626.

Best regards,



for Jim Fricke.

James R. Fricke
RMC

Attachment: Table 1, Analytical Summary - Water

Cc: Jeff Montera
Susan Griffin
Kerry Gee
Kevin Murray
Muhammed Slam
Lynn Woodbury
Jeanne Wilson

Table 1, Analytical Summary - Surface and Groundwater Data, Richardson Flat Remedial Investigation
February 2002

(units mg/l, unless specified)

Date	Sample #	Ag	Ag(D)	Al	Al(D)	ALK.	AS	AS(D)	CA	CATIA N BAL.	CD	CD(D)	CL-	CO3	COND.	CR	CR(D)	CU	CU(D)	FE	FE(D)	HARD	HCO3	HG	HG(D)	K	MG	MIN	MIN(D)	NA	NH3/N	NO2/NO 3	P	PB	PB(D)	SB	SB(D)	SE	SE(D)	SO4=	TDS	ZN	ZN(D)	FLOW		
SURFACE WATER																																														
4-Feb-02	RF-GW-RT-6-2	<0.005	<0.005	0.05	<0.050	306	<0.005	<0.005	371	3.8	<0.001	<0.001	84	<1.0	2250	<0.010	<0.010	<0.005	<0.005	0.34	0.14	1248	306	<0.0002	<0.0002	3.7	78	12	11	49	0.74	0.2	<0.10	<0.005	<0.005	<0.005	<0.005	<0.004	1053	1974	2	0.1	0.01		CFS	
4-Feb-02	RF-GW-RT-6-502	<0.005	<0.005	0.05	<0.050	300	<0.005	<0.005	378	2.1	<0.001	<0.001	78	<1.0	2200	<0.010	<0.010	<0.005	<0.005	0.26	0.15	1269	300	<0.0002	<0.0002	3.8	79	12	11	51	0.81	0.28	<0.10	<0.005	<0.005	<0.005	<0.004	1046	1997	1.4	0.098	0.011		(b)		
4-Feb-02	RF-GW-RT-7-2	<0.005	<0.005	0.1	<0.050	180	<0.005	<0.005	149	2.5	0.002	<0.001	92	<1.0	1227	<0.010	<0.010	<0.005	<0.005	0.2	<0.10	537	180	<0.0002	<0.0002	2.4	40	0.48	0.48	47	<0.10	0.28	<0.10	0.005	<0.005	0.006	<0.004	320	862	<1.0	1.2	1.3		nm		
GROUNDWATER																																														
4-Feb-02	RF-GW-RT-11	<0.005	<0.005	0.075	<0.050	230	<0.005	0.008	243	0.54	0.097	0.094	440	<1.0	2230	<0.010	<0.010	0.04	0.033	<0.10	<0.10	858	230	<0.0002	<0.0002	2.2	61	0.084	0.077	124	<0.10	<0.10 (a)	<0.10	0.39	0.35	0.018	0.017	0.005	0.005	320	1463	<1.0	8.4	8.3		
4-Feb-02	RF-GW-RT-5011	<0.005	<0.005	0.053	<0.050	216	<0.005	0.008	242	4.5	0.094	0.094	493	<1.0	2240	<0.010	<0.010	0.037	0.033	0.14	<0.10	851	216	<0.0002	<0.0002	2.1	60	0.08	0.076	128	<0.10	0.12	<0.10	0.39	0.35	0.018	0.017	0.005	0.005	352	1466	<1.0	8.2	8.3		
4-Feb-02	RF-GW-RT-12	<0.005	<0.005	0.059	<0.050	225	0.015	0.014	201	3.8	0.012	0.012	105	<1.0	1483	<0.010	<0.010	0.006	<0.005	12	9.8	667	225	1.7	0.78	2.2	40	6	5.7	51	<0.10	<0.10	0.019	<0.005	<0.005	<0.005	<0.004	394	1105	19	10	10				
4-Feb-02	RF-GW-RT-13	<0.005	<0.005	<0.050	<0.050	310	<0.005	<0.005	269	1.1	<0.001	<0.001	68	<1.0	1643	<0.010	<0.010	<0.005	<0.005	<0.10	<0.10	902	310	<0.0002	<0.0002	<2.0	56	1.9	2	25	<0.10	1.2	<0.10	<0.005	<0.005	0.009	0.013	561	1306	<1.0	<0.010	<0.010				
4-Feb-02	RF-GW-RT-14	<0.005	<0.005	0.063	<0.050	260	<0.005	<0.005	230	1.2	<0.001	<0.001	79	<1.0	1553	<0.010	<0.010	<0.005	<0.005	1.1	0.8	805	260	<0.0002	<0.0002	<2.0	56	8.9	7.9	31	<0.10	<0.10	<0.005	<0.005	<0.005	<0.004	548	1228	2.4	0.017	0.01					

Notes:

RF-GW-RF6-502 is a duplicate of RF-SW-RF-6-2

RF-GW-5011 is a duplicate of RF-GW-RT11

nm-not measured

a- Value represents concentration found in unpreserved sample.

b- Flow was insufficient to ascertain accurate flow volume.

TARGET SHEET
EPA REGION VIII
SUPERFUND DOCUMENT MANAGEMENT SYSTEM

DOCUMENT NUMBER: 2008723

SITE NAME: RICHARDSON FLAT TAILINGS

DOCUMENT DATE: 03/07/2002

DOCUMENT NOT SCANNED

Due to one of the following reasons:

- ☐ PHOTOGRAPHS
- ☐ 3-DIMENSIONAL
- ☐ OVERSIZED
- ☐ AUDIO/VISUAL
- ☐ PERMANENTLY BOUND DOCUMENTS
- ☐ POOR LEGIBILITY
- ☐ OTHER
- ☐ NOT AVAILABLE
- ☒ TYPES OF DOCUMENTS NOT TO BE SCANNED
(Data Packages, Data Validation, Sampling Data, CBI, Chain of Custody)

DOCUMENT DESCRIPTION:

APPENDIX A Laboratory Reports, Chain-of-Custody

APPENDIX B Field Data Sheets
